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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/621,384	07/21/2000	Youn-Man Lee	P2014	4446

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EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT PAPER NUMBER

2686

DATE MAILED: 03/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/621,384

Applicant(s)

LEE, YOUN-MAN

Examiner

Naghmeh Mehrpour

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 03 November 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 19-36**, are rejected under 35 U.S.C. 103(a) as being unpatentable over Son et al. (US Patent Number 6,278,887 B1).

Regarding claims 19, 28, Son teaches a battery saving method for controlling a display of a portable telephone, Comprising:

providing said display with a liquid crystal display (LCD) (col 4 lines 32-38); and,  
after power-on of the telephone, maintaining the LCD on until a call is established and a predetermined time period has expired since establishment (col 6 lines 11-20).

Regarding claims 20, 29, Son teaches a method/ telephone, further comprising;

providing a backlight for the LCD (col 6 lines 10-19); and,

if there has been no call since power-on, maintaining the back light off as long as no call is placed or received (col 6 lines 47-57).

Regarding claims 21, 30, Son teaches a method/telephone wherein said telephone includes a send key, an answering key and a plurality of other input keys, and wherein the maintaining of the back light off persists unless and until one of two events occurs, the two events being pressing the send key and receiving a ring signal for call termination (col 8 lines 34-40).

Regarding claims 22, 32, Son teaches a method of claim 21, further comprising turning off the backlight upon the expiration of said period (col 6 lines 11-20).

Regarding claims 23, 33, Son teaches a method further comprising turning on the LCD when the established call has ended (col 6 lines 10-19).

Regarding claim 24, Son teaches a method of claim 23, further comprising maintaining, if there has been a call since power-on, the back light off as long as no call is placed, or received, subsequent to the most recent call (col 6 lines 10-19).

Regarding claims 25, 34, Son teaches a method of claim 19, further comprising: providing said display with a back light for the LCD; and if there has been a call since power-on, maintaining the back light off as long as no call is placed, or received, subsequent to the most recent call (col 6 lines 10-19).

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Regarding claim 26, Son inherently teaches a method wherein said telephone includes a send key and an answering key, respectively, for placing and answering phone calls, and further includes a plurality of other input keys (col 8 lines 23-41).

Regarding claim 27, Son teaches a computer product having a computer readable medium in which is embeddable a program having instructions executable by a processor for performing the method of claim 19 (col 2 lines 62-67 col 3 lines 1-3, lines 28-40).

Regarding claim 31, 36, Son teaches a method/telephone of claim 28, further comprising: for maintaining the LCD on until a call is established and a predetermined time period has expired since establishment (col 6 lines 4-20).

Regarding claim 35, Son inherently teaches a telephone comprising a back light for the LCD , wherein the processor is further configured for maintaining if there has been a call since power on, the back light off as long as no call is placed, or received subsequent to the most recent call (col 6 lines 4-31).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

### **Conclusion**

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

5. **Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913. The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

March 06 2006

A handwritten signature in black ink, appearing to read 'C. Appiah', is positioned above the printed name and title.

**CHARLES APPIAH  
PRIMARY EXAMINER**